

PATENT ABSTRACTS OF JAPAN

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(71)Applicant : KAJIMA CORP

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(72)Inventor : FUKUMOTO TOSHIYUKI

TANAKA NAOKI

AKIYAMA YASUSHI

TOMITA AKIO

HONMA KANSUKE

(54) COLUMN-BEAM JOINT PART STRUCTURE

(57)Abstract:

PURPOSE: To positively secure the strength of a joint part and facilitate jointing work through dispensing with the cutting of a column and reducing welding quantity.

CONSTITUTION: Welding is performed from the surface of a square steel pipe column 2 using slits 5 so as to perform the disposition of joint reinforcing fittings 8 into the respective corner angle parts in the square steel pipe column 2 easily without cutting the square steel pipe column 2. The reinforcing fittings 8 are also disposed in the positions with which the upper and lower flanges 4 of steel framed beams 3 are brought into contact, so that stress transmission to the reinforcing fittings 8 is performed positively to secure the strength of a column-beam joint part 1. In addition, welding work is performed only at the time of welding the reinforcing fittings 8 to the square steel pipe column 2 at the slit 5 parts so as to reduce the welding work and thereby to facilitate the joining construction between the square steel pipe column 2 and the steel framed beams 3.

